COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 79 (1990) 357–358
NORTH-HOLLAND

AUTHOR INDEX OF VOLUME 79*

Ahmadi-Befrui, B., A.D. Gosman, R.I. Issa and A.P. Watkins, EPISO – An implicit non-iterative solution procedure for the calculation of flows in reciprocating engine chambers (3) 249–279
Anand, L., see Weber, G. (2) 173–202

Caussignac, P. and R. Touzani, Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part II: Implementation and numerical results (1) 1– 20
Chen, H.R., see Wang, J.H. (2) 203–217
Crotty Sisson, J.M., Accurate interior point computations in the boundary integral equation method (3) 281–307

Dulikravich, G.S., K.W. Mortara and L. Marraffa, Physically consistent models for artificial dissipation in transonic potential flow computations (3) 309–320

Fox, D.D., see Simo, J.C. (1) 21– 70

Gosman, A.D., see Ahmadi-Befrui, B. (3) 249–279
Guerreiro, J.N.C., see Loula, A.F.D. (1) 87–109
Guo, Y.H., see Padovan, J. (2) 113–127

Issa, R.I., see Ahmadi-Befrui, B. (3) 249–279

Kane, J.H., S. Saigal and B.L. Kashava Kumar, An arbitrary condensing, noncondensing solution strategy for large scale, multi-zone boundary element analysis (2) 219–244
Kashava Kumar, B.L., see Kane, J.H. (2) 219–244
Kechkar, N., see Silvester, D.J. (1) 71– 86

Loula, A.F.D. and J.N.C. Guerreiro, Finite element analysis of nonlinear creeping flows (1) 87–109

Marraffa, L., see Dulikravich, G.S. (3) 309–320
Mortara, K.W., see Dulikravich, G.S. (3) 309–320

Padovan, J., Y.H. Guo and G. Ryland, Static response of sparsely probabilistic systems (2) 113–127

* The issue number is given in front of the page numbers.

Rifai, M.S., see Simo, J.C. (1) 21 – 70
Ryland, G., see Padovan, J. (2) 113 – 127

Saigal, S., see Kane, J.H. (2) 219 – 244
Silvester, D.J. and N. Kechkar, Stabilised bilinear – constant velocity – pressure finite elements for the conjugate gradient solution of the Stokes problem (1) 71 – 86
Simo, J.C., D.D. Fox and M.S. Rifai, On a stress resultant geometrically exact shell model. Part III: Computational aspects of the nonlinear theory (1) 21 – 70

Taylor, R.L., see Weissmann, S.L. (3) 321 – 355
Touzani, R., see Caussignac, P. (1) 1 – 20

Vu-Quoc, L., A perturbation method for dynamic analyses using under-integrated shell elements (2) 129 – 172

Wang, J.H. and H.R. Chen, A substructure modal synthesis method with high computational efficiency (2) 203 – 217
Watkins, A.P., see Ahmadi-Befrui, B. (3) 249 – 279
Weber, G. and L. Anand, Finite deformation constitutive equations and a time integrated procedure for isotropic hyperelastic – viscoplastic solids (2) 173 – 202
Weissmann, S.L. and R.L. Taylor, Resultant fields for mixed plate bending elements (3) 321 – 355

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 79 (1990) 359–361
NORTH-HOLLAND

SUBJECT INDEX OF VOLUME 79*

Boundary element methods

An arbitrary condensing, noncondensing solution strategy for large scale, multi-zone boundary element analysis, J.H. Kane, S. Saigal and B.L. Kashava Kumar (2) 219–244
Accurate interior point computations in the boundary integral equation method, J.M. Crotty Sisson (3) 281–307

Boundary layers

Solution of three-dimensional boundary layer equations by a discontinuous finite element method, part II: Implementation and numerical results, P. Caussignac and R. Touzani (1) 1– 20

Dynamics

A structure modal synthesis method with high computational efficiency, J.H. Wang and H.R. Chen (2) 203–217

Elasticity

Accurate interior point computations in the boundary integral equation method, J.M. Crotty Sisson (3) 281–307

Finite difference methods

EPISO – An implicit non-iterative solution procedure for the calculation of flows in reciprocating engine chambers, B. Ahmadi-Befrui, A.D. Gosman, R.I. Issa and A.P. Watkins (3) 249–279

Finite element and matrix methods

Solution of three-dimensional boundary layer equations by a discontinuous finite element method, Part II: Implementation and numerical results, P. Caussignac and R. Touzani (1) 1– 20
On a stress resultant geometrically exact shell model. Part III: Computational aspects of the nonlinear theory, J.C. Simo, D.D. Fox and M.S. Rifai (1) 21– 70

* The issue number is given in front of the page numbers.

Stabilised bilinear–constant velocity–pressure finite elements for the conjugate gradient solution of the Stokes problem, D.J. Silvester and N. Kechkar (1) 71 – 86
Finite element analysis of nonlinear creeping flows, A.F.D. Loula and J.N.C. Guerreiro (1) 87 – 109
A perturbation method for dynamic analyses using under-integrated shell elements, L. Vu-Quoc (2) 129 – 172
Finite deformation constitutive equations and a time integrated procedure for isotropic hyperelastic–viscoplastic solids, G. Weber and L. Anand (2) 173 – 202
A substructure modal synthesis method with high computational efficiency, J.H. Wang and H.R. Chen (2) 203 – 217
Resultant fields for mixed plate bending elements, S.L. Weissman and R.L. Taylor (3) 321 – 355

Fluid mechanics

Solution of three-dimensional boundary layer equations by a discontinuous finite element method, part II: Implementation and numerical results, P. Caussignac and R. Touzani (1) 1 – 20
Stabilised bilinear–constant velocity–pressure finite elements for the conjugate gradient solution of the Stokes problem, D.J. Silvester and N. Kechkar (1) 71 – 86
EPISO – An implicit non-iterative solution procedure for the calculation of flows in reciprocating engine chambers, B. Ahmadi-Befrui, A.D. Gosman, R.I. Issa and A.P. Watkins (3) 249 – 279
Physically consistent models for artificial dissipation in transonic potential flow computations, G.S. Dulikravich, K.W. Mortara and L. Marraffa (3) 309 – 320

Incompressible and near incompressible media

Stabilised bilinear–constant velocity–pressure finite elements for the conjugate gradient solution of the Stokes problem, D.J. Silvester and N. Kechkar (1) 71 – 86
Finite element analysis of nonlinear creeping flows, A.F.D. Loula and J.N.C. Guerreiro (1) 87 – 109

Numerical solution procedures

Solution of three-dimensional boundary layer equations by a discontinuous finite element method, part II: Implementation and numerical results, P. Caussignac and R. Touzani (1) 1 – 20
Finite deformation constitutive equations and a time integrated procedure for isotropic hyperelastic–viscoplastic solids, G. Weber and L. Anand (2) 173 – 202

Plasticity

Finite deformation constitutive equations and a time integrated procedure for isotropic hyperelastic–viscoplastic solids, G. Weber and L. Anand (2) 173 – 202

Shells and plates

On a stress resultant geometrically exact shell model. Part III: Computational aspects of the nonlinear theory, J.C. Simo, D.D. Fox and M.S. Rifai (1) 21 – 70
A perturbation method for dynamic analyses using under-integrated shell elements, L. Vu-Quoc (2) 129 – 172
Resultant fields for mixed plate bending elements, S.L. Weissman and R.L. Taylor (3) 321 – 355

Solutions of integral equations (singularity method)

An arbitrary condensing, noncondensing solution strategy for large scale, multi-zone boundary element analysis, J.H. Kane, S. Saigal and B.L. Kashava Kumar (2) 219 – 244

Stability in fluid mechanics

Physically consistent models for artificial dissipation in transonic potential flow computations, G.S. Dulikravich, K.W. Mortara and L. Marraffa (3) 309 – 320

Structural mechanics

On a stress resultant geometrically exact shell model. Part III: Computational aspects of the nonlinear theory, J.C. Simo, D.D. Fox and M.S. Rifai (1) 21 – 70
Static response of sparsely probabilistic systems, J. Padovan, Y.H. Guo and G. Ryland (2) 113 – 127
A perturbation method for dynamic analyses using under-integrated shell elements, L. Vu-Quoc (2) 129 – 172
Resultant fields for mixed plate bending elements, S.L. Weissman and R.L. Taylor (3) 321 – 355

Transonic flow

Physically consistent models for artificial dissipation in transonic potential flow computations, G.S. Dulikravich, K.W. Mortara and L. Marraffa (3) 309 – 320

Turbulence

EPISO – An implicit non-iterative solution procedure for the calculation of flows in reciprocating engine chambers, B. Ahmadi-Befrui, A.D. Gosman, R.I. Issa and A.P. Watkins (3) 249 – 279

Viscoelastic and viscoplastic media

Finite element analysis of nonlinear creeping flows, A.F.D. Loula and J.N.C. Guerreiro (1) 87 – 109